

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-10 (cancelled)

Claim 11. (new) In an automotive cooling system containing a used coolant fluid and having an engine engaged with a radiator for mutual fluid exchange through an upper hose from an upper radiator port to an upper engine port and a lower hose from a lower engine port to a lower radiator port, a method of replacing the used coolant fluid in the system with a new coolant fluid comprising the steps of: interconnecting the radiator with a sealed first external tank using a first external hose; interconnecting the upper engine port, using a second external hose, with a vented second external tank containing the new coolant fluid; creating a vacuum in the first external tank thereby sucking the used coolant fluid from the automotive cooling system into the first external tank, and thereby simultaneously forcing the new coolant fluid to flow from the second external tank into the automotive system through the second external hose.

Claim 12. (new) The method of claim 11 further comprising the steps of closing a valve between the first external tank and the radiator prior to drawing the vacuum in the first external tank, and opening the valve to start the coolant flow from the engine to the first external tank.

Claim 13. (new) In an automotive cooling system containing a used coolant fluid and having an engine engaged with a radiator for mutual fluid exchange through an upper hose from an upper radiator port to an upper engine port and a lower hose from a lower engine port to a lower radiator port, an apparatus for replacing the used coolant fluid in

the system with a new coolant fluid comprising: a sealed first external tank having a vacuum therein, the first external tank interconnected through a first external hose and through a valve with the radiator; a vented second external tank interconnected through a second external hose with the upper engine port of the engine; enabling the used coolant fluid to be drawn into the first external tank by the vacuum when the valve is opened, thereby simultaneously expelling the new coolant fluid from the second external tank into the engine through the second external hose.

Claim 14. (new) In an automotive cooling system containing a used coolant fluid and having an engine engaged with a radiator for mutual fluid exchange through an upper hose from an upper radiator port to an upper engine port and a lower hose from a lower engine port to a lower radiator port, and wherein the engine has an internal coolant pump in operation for circulating the used coolant fluid between the engine and the radiator; a method of replacing the used coolant fluid in the system with a new coolant fluid comprising the steps of: interconnecting the radiator with a vented first external tank containing a new coolant fluid, using a first external hose; interconnecting the upper engine port, using a second external hose, with a vented second external tank; thereby delivering the used coolant fluid from the engine directly to the second external tank and simultaneously drawing the new coolant fluid from the first external tank into the radiator.

Claim 15. (new) The method of claim 14 further comprising the steps of closing a valve between the first external tank and the radiator prior to operating the internal coolant pump, and opening the valve to start the coolant flow from the first external tank to the radiator.

Claim 16. (new) In an automotive cooling system containing a used coolant fluid and having an engine engaged with a radiator for mutual fluid exchange through an upper hose from an upper radiator port to an upper engine port and a lower hose from a lower

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engine port to a lower radiator port, the engine providing an internal coolant fluid pump; an apparatus for replacing the used coolant fluid in the system with a new coolant fluid comprising: a vented first external tank interconnected through a first external hose and through a valve with the radiator; a vented second external tank interconnected through a second external hose with the upper engine port of the engine; enabling the used coolant fluid to be pumped into the second external tank by the internal pump when the valve is opened, thereby simultaneously drawing the new coolant fluid from the first external tank into the radiator through the first external hose.